

Converting Colors

XYZ(22.5750, 20.4325, 83.7257)

Have a look what the booklet for
XYZ(22.5750, 20.4325, 83.7257)
contains.

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Color

**XYZ(22.5156, 20.3390,
83.6280)**

Conversions

Conversions Part 1

Format	Color
Hex	007BEE
RGB	0, 123, 238
RGB Percent	0%, 48%, 93%
CMY	0.9997, 0.5176, 0.0667
CMYK	1.00, 0.48, 0.00, 0.07
HSL	209°, 100%, 47%
HSV	209°, 100%, 93%
XYZ	22.5156, 20.3390, 83.6280
YIQ	99.3330, -110.2230, 9.6890

Conversions

Conversions Part 2

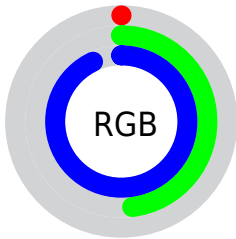
Format	Color
R _Y B	0, 81, 238
Decimal	31726
CIE Lab	52.22, 15.33, -65.54
CIE LCh	52, 67.310, 283.165
Yxy	20.3390, 0.1780, 0.1608
Android (android.graphics.Color)	4278221806 (0xFF007BEE)
YUV	99.3330, 68.3628, -87.1150
Hunter-Lab	45.0988, 10.1934, -78.3741

Details

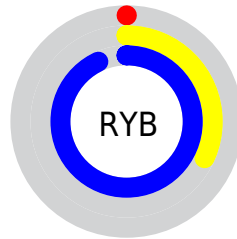
The XYZ color **22.5156, 20.3390, 83.6280** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **41.3988, 30.4541, 3.6982**, and the grayscale version is **11.8018, 12.4164, 13.5215**.

A 20% lighter version of the original color is **39.5643, 41.0681, 100.4494**, and **10.9249, 8.5051, 44.7819** is the 20% darker color. If you saturate the color by 10%, you get **22.5117, 20.3311, 83.6272**, and if you desaturate by 10%, it is **24.4011, 23.5554, 84.1500**.

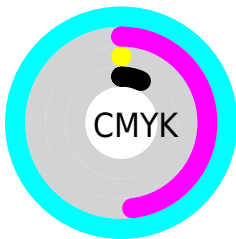
Distribution



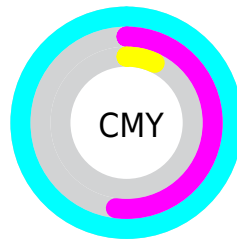
- Red (0%)
- Green (48%)
- Blue (93%)



- Red (0%)
- Yellow (32%)
- Blue (93%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (52%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5156, 20.3390, 83.6280 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 22.5156, 20.3390, 83.6280 by changing the saturation by 10% instead.

■ 22.5156, 20.3390,
83.6280

■ 22.5156, 20.3390,
83.6280

257.8092,
253.7445, 527.1028

■ 14.3550, 12.6417,
62.1647

■ 47.0692, 43.9848,
140.3118

■ 8.4513, 7.1823,
44.7292

■ 64.1930, 60.7021,
176.3694

■ 4.4393, 3.5764,
30.9028

■ 85.0351, 81.1949,
218.1288

■ 1.9535, 1.4395,
20.2670

■ 109.9610,
105.8475, 266.0087

■ 0.6077, 0.2456,
12.4033

■ 139.3360,
135.0444, 320.4274

■ 0.0000, 0.0000,
6.8931

173.5254,

■ 0.0000, 0.0000,

169.1699, 381.8037

3.3179

212.8947,
208.6085, 450.5560

■ 0.0000, 0.0000,
1.2592

■ 0.0000, 0.0000,
0.0280

■ 22.5156, 20.3390,
83.6280

■ 22.5156, 20.3390,
83.6280

■ 22.5117, 20.3311,
83.6272

■ 24.4011, 23.5554,
84.1500

■ 26.9159, 27.3533,
84.7505

■ 30.2091, 31.8173,
85.4386

■ 34.3703, 37.0012,
86.2198

■ 39.4754, 42.9513,
87.0992

■ 45.5914, 49.7089,
88.0812

■ 52.7785, 57.3117,
89.1699

■ 61.0919, 65.7948,
90.3692

■ 70.5829, 75.1906,
91.6825

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



15.7361, 20.3390, 82.1091



22.5156, 20.3390, 83.6280



29.9099, 20.3390, 63.0631

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



22.5156, 20.3390, 83.6280



30.7213, 20.3390, 4.9898



9.2057, 20.3390, 12.8586

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



22.5156, 20.3390, 83.6280



41.3988, 30.4541, 3.6982

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



11.5977, 20.3390, 4.3791



22.5156, 20.3390, 83.6280



23.4370, 20.3390, 2.0485

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



22.5156, 20.3390, 83.6280



35.3536, 20.3390, 14.5659



16.4629, 20.3390, 1.9223



9.0721, 20.3390, 31.9828

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



22.5156, 20.3390, 83.6280



33.7620, 20.3390, 44.1246



16.4629, 20.3390, 1.9223



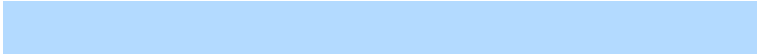
9.7405, 20.3390, 9.0346

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



22.5166, 20.3395, 83.6286



61.6030, 66.9002, 104.2739



33.4504, 62.2998, 25.3306



12.3922, 13.4888, 22.2004



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.5166, 20.3395, 83.6286



26.2676, 23.6552, 97.7892



15.5203, 6.3471, 81.2965



15.5728, 16.5797, 20.1010



12.6895, 11.6033, 46.6987



1.1553, 1.1645, 3.9181

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



38.8360, 19.6088, 20.4770



45.3879, 22.9191, 23.7723



63.5766, 74.8097, 11.0908



16.1138, 15.8952, 18.1555



21.7307, 10.9647, 11.7644



1.8581, 0.9323, 1.2435

Previews

White Background



This preview shows how the XYZ color 22.5156, 20.3390, 83.6280 looks on a white background.

Color Contrast Check

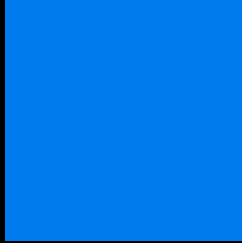
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.5156, 20.3390, 83.6280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

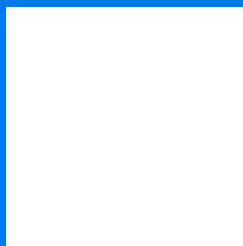
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.5156, 20.3390, 83.6280

Background



This preview shows how black text looks on a background with the XYZ color 22.5156, 20.3390, 83.6280.



This preview shows how white text looks on a background with the XYZ color 22.5156, 20.3390,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

22.5156, 20.3390, 83.6280

Protanopia

23.5753, 20.3918, 81.2907

Deuteranopia

20.6405, 20.3992, 71.2562



Tritanopia

14.3549, 20.2835, 30.7623

Trichromacy



Original Color

22.5156, 20.3390, 83.6280

Protanomaly

22.7770, 20.1429, 82.0444

Deuteranomaly

21.3260, 20.4678, 75.4997

Tritanomaly

16.6257, 20.0703, 46.1777

Monochromacy



Original Color

22.5156, 20.3390, 83.6280

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.9175, 13.9839, 30.8725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5156, 20.3390, 83.6280 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 123, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 238)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 123, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 238) }
```

Border

The CSS property to change the border of an element to XYZ 22.5156, 20.3390, 83.6280 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 123, 238) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(0, 123, 238) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(0, 123, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 123,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5156, 20.3390, 83.6280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 123, 238) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 123,  
238) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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